

Recombinant Mouse Akap5 Protein, His&GST-tagged

Cat. No. Akap5-110M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Akap5 Protein (Met1-Gln161) with N-His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Gln161
Description	Enables adenylate cyclase binding activity. Involved in clustering of voltage-gated calcium channels; clustering of voltage-gated potassium channels; and receptor clustering. Acts upstream of or within amylase secretion. Located in cytoskeleton and plasma membrane. Is expressed in brain. Orthologous to human AKAP5 (A-kinase anchoring protein 5).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 47.9 kDa Accurate Molecular Mass: 63 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

Akap5 A kinase (PRKA) anchor protein 5 [*Mus musculus* (house mouse)]

Official Symbol

Akap5

Synonyms

AKAP5; A kinase (PRKA) anchor protein 5; A-kinase anchor protein 5; A-kinase anchor protein 150 kDa; cAMP-dependent protein kinase regulatory subunit II high affinity-binding protein; P150; Gm258; AKAP-5; AKAP150; AKAP 150; BB098886; 3526401B18Rik

Gene ID

238276

mRNA Refseq

NM_001101471

Protein Refseq

NP_001094941

UniProt ID

D3YVF0

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